paper3 Sheet_	-0(4) 80 00 00 00 00 00 00 00 00 00 00 00 00
	 = 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32)

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

ATTY.DOCKET	NO.
17171-CIP-	4

APPLICANT

Elliot S. Klein et al.

FILING DATE

GROUP Unassigned

### U.S. PATENT DOCUMENTS

	EXAMINER NINITIAL			ooci	JME	NT I	NUM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA		4	٦	0	9	6	3	4	1	06/20/78	Frazer			1
ורייע	1111	4	-	H	_	5	6	4	9	09/22/87	Magami et al			
- 1	+	1	_	-	3	9	0	9	8	04/19/88	Chandraratna			
1	1	4	-	_	4	0	5	ı	9	04/26/88	B. Shroot, et al.			
- 1	+-+		_	8	1	0	8	0	4	03/07/89	Chandraratna			
- 1			_	8	2	6	9	6	9	05/02/89	Maignan et al.	<u> </u>		ļ
	-	-+		8	5	5	3	2	0	08/08/89	Chatterjee et al.			
1		-	_	8	9	5	8	6	8	01/23/90	Chaudraratna			03/29/88
		-	_	9	8	0	3	6	9	12/25/90	Chandraratua			09/19/89
•	1,-		_	+	+-	┰	+	6	₽-	02/12/91	Chandraratna			07/26/89
1		-	<del>1</del> 5	0	0	6	5	5	0	04/09/91	Chandraratna			12/29/89

# FOREIGN PATENT DOCUMENTS

··· .	<del>-   -</del>		_								SUBCLASS	TRANS	LATION
×	D	DOCUMENT NUMBER							COUNTRY	CLASS	SOBCIASS	YES	NO
IND STORE		Ţ,	3	0	7	9	5	01/19/85	European	C07D	311/58	xxx	
MY WA	- 10	1	6	0	3	4	₽-	04/02/89	European	C07C	63/66		xx
1 -1-1	1 2	1	6	8	0	6	0	09/24/87	Germany	C07D	311/04		xx
J. + 1	0	2	8	4	2	8	8	09/28/88	European	C07D	401/04	xxx	
W - <del>V</del>	0	3	1	10	8	4	6	07/10/89	European	C07D	311/85		XX

* 5	OTI	HEF	DOCUMENTS (Including author, Title, Date, Pertinent Tages, 1861)
. 1		1	A General Synthesis of Terminal and Internal Arylalkynes by the Palladium-Catalyzed Reaction of Alkynylzine Reagents with Aryl Halides by Anthony O. King and Ei-ichi,
WKRC	M		J. Org. Chem., (1978) 43/2: p. 358.
1	4 1	3	Conversion of Methyl Ketones into Terminal Acetylenes and (E)-Tri-substituted Oletin of Terpenoid Origin by Ei-ichi, et al., J. Org. Chém., (1980) 45/12: p.2526.
		ŕ	
		4	Sporn et al. in J. Amer. Acad. Derm., (1986) 15:756-764
(	y	T	
	EXAI	MIN	ER DATE CONSIDERED
T	No.	<u>×</u>	Initial if citation considered, whether or not citation is in conformance with
E.	YAMIN	EK.	initial if citation considered, include

MPEP 609; Draw line through citation if not in conformance and not consider copy of this form with next compounication to applicant.

FORM PTO-1449-EU.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 2-32)

ATTY.DOCKET NO. 17171-CIP-4

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

APPLICANT

Elliont S. Klein et al.

FILING DATE

GROUP Unassigned

# U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	DATE NAME		SUBCLASS	FILING DATE IF APPROPRIATE
M	M		-	lo	1,	3	17	4	4	05/07/91	Chandraratna			12/29/89
איוע	12	-	13	+	i.	5	6	5	8	05/14/91	Chandraratna			06/15/89
- 1	-		5	0	2	3	3	1	1	06/11/91	Chandraratna			09/19/89
			5	10	2	5	5	-	ļ.	09/03/91	Chandraratna			09/19/89
			5	0	5	3	5	2	3	10/01/91	Chandraratna			11/06/90
		_	5	0	6	8	2	5	2	11/26/91	Chandraratna			02/08/91
- 1	- L	_	5	0	8	9	5	6	9	02/18/92	Chandraratna			03/20/89
	, <del>Direction</del>		5	17	2	3	6	2	8	02/02/88	Shudo			
- 1			4	3	2	6	0	5	5	04/20/82	Loeliger			
ılı		_	5	1-	3	0	3	3	5	07/14/92	Chandraratna			07/27/90
V	-141		5	1	3	1	1	5	0	07/28/92	Chandraratna .			03/26/91

# FOREIGN PATENT DOCUMENTS

					_		_		CLASS		TRANSLATION		
	DC	DOCUMENT NUMBER							DATE COUNTRY		SOBCEASS	YES	NO
West M.	0	2	7	2	9	12	Ti	06/29/88	European	C07D	213/80	xx	
AIL LAB	91	Ţ	1	6	0	5	1	10/31/91	International	A61K	31/44	xxx	
	85	1	0	0	8	0	6	02/28/85	International	A61K	31/00	xxx	
	85	<del>;</del>	0	4	6	5	2	10/24/85	International	A61K	31/19	XXX	
1 7	0.	0	0	8	5	9	1	01/18/84	European	—— €07D	333/54	100	XX

Marian	A Convenient Synthesis of Et Synthesis (1980) p.627-630.	hynylarenes and Diethynylarenes" by S.	Takanashi Ce ai.
NA Mark	Shudo et al. in Chem. Phar. E	<u>3ull.</u> (1985) 33:404-407.	
	7 Kagechika et al. in J. Med. C		and William H.
	6 Chemistry and Biology of Syn 6 Okamura, published by CRC Synthesis of 2,2'-Diacyl-1,1'-B	thetic Retinoids by Marcia I. Dawson a Press Inc., 1990, p.334-335, 354. iaryls. Regiocontrolled Protection of 4720-4725.	by Mervic, et al, I
EX	1980) No. 43, p. AMINER	DATE CONSIDERED	
EXAMI	NER Initial if citation considere	d, whether or not citation is in confinct in conformance and not consider	ormance with

copy of this form with next co

Sheet	3	of	-
SHEEL		VI.	- 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

\*PATENT AND TRADEMARK OFFIC INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (Use several sheets if necessary)

ATTY.DOCKET NO.

SERIAL NO.

17171-CIP-4
APPLICANT

Elliot S. Klein et al:

FILING DATE

GROUP Unassigned

### **U.S. PATENT DOCUMENTS**

War	
	9 5

EXIA SALL			DOCUMENT NUMBER							DATE	DATE NAME	CLASS	SUBCLASS	PILING DATE IF APPROPRIATE	
M	Ŋ_		4	3	9	1	7	3	1	07/05/83	Boller et al.	252	299.26		
-4-4			5	0	3	7	8	2	5	08/06/91	Klaus et al.	514	233.8		
	$\overline{}$		5	1	6	2	5	4	6	11/10/92	Chandraratna	549	23	1	
	1		5	1	7	5	1	8	5	12/29/92	Chandraratna	514	445	,	
	1		5	1	8	3	8	2	7	02/02/93	Chandraratna	514	444		
-			5	2	0	2	4	7	1	04/13/93	Chandraratna	562	473		
		-	5	2	3	1	1	1	3	07/27/93	Chandraratna	514	510	1	
			5	2	3	4	9	2	6	08/10/93	Chandraratna	514	253		
1	1		5	2	6	4	4	5	6	11/23/93	Chandraratna	514	461		
4		-	5	2	6	4	5	7	8	11/23/93	Chandraratna	546	269	$\int$	
	M	,	5	2	4	8	7	7	7	09/28/93	Chandraratna	546	165		

#### FOREIGN PATENT DOCUMENTS

Mr	

	 0						M	ER DATE COUNTRY		CLASS	SUBCLASS	TRANSLATION		
. 1		ט	JCL	ME	in I	NU	MD	LR	DATE	COUNTRY	CLASS	SODEDISS	YES	NO
r -	 -	0	1	7	6	0	3	2	04/02/86	European	C07C	65/38	-10	xx
•		0	1	7	6	0	3	3	04/02/86	European	C07D	261/18		XX
ſ -	Г	0	2	5	3	3	0	2	01/20/88	European	C07D	213/16		xx
١, -	Г	0	3	0	3	9	1	5	02/22/89	European	A61K	31/255		xx
Ψ-		0	3	1	5	0	7	1	05/19/89	European	C07C	63/66		xx

### OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

Mar as	l	A Dopamine Receptor Model and Its Application in the Design of a Pyrrolo[2,3-g]isoquinoline Antipsychotics, Gary L. Olson et al. Ame	New Class of Rigid rican Chemical
MANA	1	Societe, (1981) 24/9:1026-1031.	*
,	1	6.2.3 Conformational Restriction, Williams, et al., <u>Drug Discovery ar</u> The Humana Press, (1987) pp. 54-55.	nd Development.
		V. RETINOID STRUCTURE-BIOLOGICAL ACTIVITY RELATION and Biology of Synthetic Retinoids, (1990) pgs. 324-356.	SHIPS, Chemistry
		Davis et al. <u>J. Organomettalic Chem</u> (1990) 387:381-390.	and again
rv	A 3.41	DATE CONSIDERED	•

**EXAMINER** 

DATE CONSIDERED

Sheet_	4	_of_	18
D		_~	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY.DOCKET NO. 17171-CIP-4 SERIAL NO.

APPLICANT

Elliot S. Klein et al.

FILING DATE

GROUP Unassigned

## U.S. PATENT DOCUMENTS

$\neg$		)CI	UME	NT	NUN	BEX		DATE	NAME	CIASS	SUBCLASS 314	FILING DATE IF APPROPRIATE
	7.	_	7	2	١,	1	6	12/21/93	Chandraratna	514		
	+	-	,	-	Ġ	+	╌			549	484	01/30/89
<del></del>	-+	_	7	۱ <del>۰</del>	÷	1	۲			549	23	10/21/92
<del>-  -</del>	+	_	Ŀ	Ι.	1	1	١.			514	456	07/22/92
<del></del>	+	_	-	H	<del> </del>	1.	╌			546	318	06/11/92
	+		F	-	╌	┽	÷	-		560	17	02/11/92
<del></del> -	-+	_	Ε-	-	₩	<del> </del> -	Ε-			546	134	
<del></del>	+	_	2	Ť	╄	+-	+	1		560	100	05/18/93
	+	_	4		╄	+-	+-	<del> </del>		514	247	01/06/93
<del>-  </del> -	+	_	4	H	┿	19	╁╌				- <del></del>	01/06/93
5	4	3	4	+-	19	1	+-					03/08/93
	5 4 5 5 5 5 5 5 5	S 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 2 4 9 5 2 5 3 5 3 4 8 5 3 5 3 5 3	5 2 7 4 9 2 5 2 7 5 3 2 5 3 2 4 8 2 5 3 4	5     2     7     2       4     9     2     7       5     2     7     8       5     3     2     4       5     3     2     6       4     8     2     6       5     3     4     4       5     3     4     6       5     3     4     6	5 2 7 2 1 4 9 2 7 9 5 2 7 8 3 5 3 2 4 7 5 3 2 6 8 4 8 2 6 9 5 3 4 6 8 5 3 4 6 9	5 2 7 2 1 5 4 9 2 7 9 4 5 2 7 8 3 1 5 3 2 4 7 4 5 3 2 6 8 9 4 8 2 6 9 8 5 3 4 6 8 9 5 3 4 6 8 9	3     3     4     9     2     7     9     4     7       5     2     7     8     3     1     8       5     3     2     4     7     4     4       5     3     2     4     8     4     0       5     3     2     6     8     9     8       4     8     2     6     9     8     4       5     3     4     4     9     5     9       5     3     4     6     8     9     5       5     3     4     6     9     1     5	5     2     7     2     1     5     6     12/21/93       4     9     2     7     9     4     7     05/22/90       5     2     7     8     3     1     8     01/11/94       5     3     2     4     7     4     4     06/28/94       5     3     2     4     8     4     0     06/28/94       5     3     2     6     8     9     8     07/05/94       4     8     2     6     9     8     4     05/02/89       5     3     4     4     9     5     9     09/06/94       5     3     4     6     8     9     5     09/13/94       5     3     4     6     9     1     5     09/13/94	5   2   7   2   1   5   6   12/21/93   Chandraratna     4   9   2   7   9   4   7   05/22/90   Chandraratna     5   2   7   8   3   1   8   01/11/94   Chandraratna     5   3   2   4   7   4   4   06/28/94   Chandraratna     5   3   2   4   8   4   0   06/28/94   Chandraratna     5   3   2   6   8   9   8   07/05/94   Chandraratna     4   8   2   6   9   8   4   05/02/89   Berlin et al.     5   3   4   6   8   9   5   09/13/94   Chandraratna     5   3   4   6   8   9   5   09/13/94   Chandraratna     5   3   4   6   8   9   5   09/13/94   Chandraratna     5   3   4   6   8   9   5   09/13/94   Chandraratna     5   3   4   6   8   9   5   09/13/94   Chandraratna	S   2   7   2   1   5   6   12/21/93   Chandraratna   514     4   9   2   7   9   4   7   05/22/90   Chandraratna   549     5   2   7   8   3   1   8   01/11/94   Chandraratna   549     5   3   2   4   7   4   4   06/28/94   Chandraratna   514     5   3   2   4   8   4   0   06/28/94   Chandraratna   546     5   3   2   6   8   9   8   07/05/94   Chandraratna   546     5   3   4   6   9   8   4   05/02/89   Berlin et al.   546     5   3   4   6   8   9   5   09/13/94   Chandraratna   560     5   3   4   6   8   9   5   09/13/94   Chandraratna   514     5   3   4   6   8   9   5   09/13/94   Chandraratna   514     5   3   4   6   9   1   5   09/13/94   Chandraratna   514     5   5   6   12/21/93   Chandraratna   514     5   6   12/21/93   Chandraratna   514     6   7   7   7   7   7     7   7   7   7	S   2   7   2   1   5   6   12/21/93   Chandraratna   514   314     4   9   2   7   9   4   7   05/22/90   Chandraratna   549   484     5   2   7   8   3   1   8   01/11/94   Chandraratna   549   23     5   3   2   4   7   4   4   06/28/94   Chandraratna   514   456     5   3   2   4   8   4   0   06/28/94   Chandraratna   546   318     5   3   2   6   8   9   8   07/05/94   Chandraratna   560   17     4   8   2   6   9   8   4   05/02/89   Berlin et al.   546   134     5   3   4   6   8   9   5   09/06/94   Chandraratna   560   100     5   3   4   6   8   9   5   09/13/94   Chandraratna   514   247     5   3   4   6   9   1   5   09/13/94   Chandraratna   514   432     5   3   4   6   9   1   5   09/13/94   Chandraratna   514   432     5   5   6   7   7   9   4   7   7   7   7   7   7     5   7   7   7   7   7   7   7   7   7

## FOREIGN PATENT DOCUMENTS

	Γ-										07.400	SUBCLASS	TRANSLATION	
	ļ	DOCUMENT NUMBER					MB	ER	DATE COUNTRY	CLASS	JOBELLISS	YES	NO	
JAME	-	2	•	9	0	12	77	8	11/18/87	United Kingdom	C07C	39/21	XXX	
MY	├─	3	3	1	6	9	3	<del>-</del>	11/17/83	Germany	C07C	63/66		xx
		2	٠	2	4	1	9	+-	01/16/86	Germany	C07C	63/66		xx
-	├	3	7	-	-	6	+	5	11/26/87	Germany	C07C	15/58		xx
<del></del>	-	92	Ľ-	6	6	9	1	8	04/30/92	International	C07C	69/86		F

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

Ollibit Decement	
Vitro C.C. Zouboulis, T	Acid, All Trans-Retinoic Acid, and Acitretin on the sis and Keratin Expression of Cultured Human Sebocytes in the Journal of Investigative Dermatology, (1991) 96/5:792-797.
	uman Sebaceous Glands: in Vitro Effects of 13-Cis Retinoic ohn Ridden, et al., <u>Journal of Cell Science</u> (1990) 95:125-136.
"Characterization of Hum Journal of Investigative D	an Sebaceous Cells in Vitro <sup>a</sup> , Thomas I. Doran, et al. <u>The</u> ermatology, (1991) 96/3:.
KAMINER	DATE CONSIDERED
	"Effects of 13-Cis-Retinoic Proliferation, Lipid Synthet Vitro" C.C. Zouboulis, To "Organ Maintenance of H Acid and Testosterone", July "Characterization of Hum Journal of Investigative D

U.S. DEPARTMENT OF COMMERCE **FORM PTO-1449** (Rev. 2-32)

> INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

PATENT AND TRADEMARK OFFICE

17171-CIP-4

ATTY.DOCKET NO.

APPLICANT

Elliot S. Klein et al.

FILING DATE

**GROUP** Unassigned

### **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TVA	5	٦	3	4	8	9	7	5	09/20/94	Chandraratna	514	456	10/27/93
1111	5	1	3	4	9	li	0	5	09/20/94	Chandraratna	564	163	03/17/93
_	5	-	3	5	4	7	5	2	10/11/94	Chandraratna	514	252	10/28/93
_	5	-+	3	8	0	8	7	7	01/10/95	Chandraratna	549	60	03/08/93
-+-+	- 5	┥	3	9	1	7	5	3	02/21/95	Chandraratna	546	323	09/27/93
<del>-  -</del>	5	┥	3	9	9	5	6	1	03/21/95	Chandraratna	: 514	252	01/07/94
	5	1	3	9	9	5	8	6	03/21/95	Davies et al.	514	448	03/11/93
	5	-1	4	0	7	9	3	7	04/18/95	Chandraratna	514	256	10/27/93
	- 5	-	4	1	4	0	0	7	05/09/95	Chandraratna	514	365	09/24/93
- 1	5	┪	4	2	6	Ť	1	8	06/20/95	Chandraratna	514	337	12/30/93
<del>-    </del>	5	-	4	3	4	1	7	3	07/18/95	Chandraratna	514	354	09/24/93

### FOREIGN PATENT DOCUMENTS

		Τ.							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
<u>ν</u> αΙ	İ	DC	CL	ME	NT	NU	MB:	EK		COUNTRY	·		YES	Ю
<del>\\</del>	<del>7  </del>	1	7	0	1	0	5	A	2/5/86	European			4.1	
$\dashv$		3	6	0	2	4	7	3	07/30/87	Germany	C07C	43/215	1.00	xx
		0	6	6	1	2	5	9	05/07/95	European	C07C	233/81	XXX	
		93	<b> </b> _	2	ı	1	4	6	10/28/93	International	C07C	69/76		
-1		0	2	8	4	2	6	1	09/28/88	European	C07D	213/80	XXX	

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

MA	"Synthesis and Evaluation of Stilbene and Dihydrostilbene Derivateives as Potential Anticancer Agents That Inhibit Tubulin Polymerization" by Cushman, Mark et al.  [Amed. Chem., (1991), 34:2579-2588.]
<b>\</b>	"Synthesis and Evaluatinof New Protocin Tyrosine Kinase Inhibitors. Part 1. Pyridinc-Containing Stilbenes and Amides" by Cushman, Mark et al. Bioorganic & Medicinal  Chemistry Letters, (1991) 1/4:211-214.
EX	DATE CONSIDERED  7/9/02
EXAM MPEP	INER: Initial if citation considered, whether or not citation is in conformance with 609; Draw line through citation if not in conformance and not considered. Include

copy of this form with next communication to applicant.

Sheet 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY.DOCKET NO. 17171-CIP-4

SERIAL

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT

Elliot S. Klein et al.

(Use several sheets if necessary)

FILING DATE

GROUP Unassigned

#### U.S. PATENT DOCUMENTS

EXAMINER			DOC	UMI	ENT	NUN	Œ	3	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
19		5	4	5	1	6	0	5	09/19/95	Chandraratna et al	514		12/30/93
$\neg \neg$		5	4	5	5	2	6	5	10/03/95	Chandraratna	514	448	02/11/93
		5	4	6	8	8	7	9	11/21/95	Chandraratna	549	23	09/24/93
		5	4	7	0	9	9	9	11/28/95	Chandraratna	560	100	12/30/93
		5	4	7	5	0	2	2	12/12/95	Chandraratna	514	448	10/18/93
	•	5	4	7	5	1	1	3	12/12/95	Chandraratna	548	203	06/15/94
		5	4	8	9	5	8	4	02/06/96	Vuligonda et al.	514	188	12/29/94
		5	4	9	8	7	5	5	03/12/96	Chandraratna et al.	564	272	08/23/94
		5	4	9	8	7	9	5	03/12/96	Song et al.	562	474	12/29/94
		5	5	1	4	8	2	5	05/07/96	Vuligonda et al.	558	462	12/29/94
A		5	5	1	6	9	0	4	05/14/96	Chandraratoa .	514	269	02/07/95

### FOREIGN PATENT DOCUMENTS

		oci	IME	·NT	MI	MR	rb	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
Mr.	DOCUMENT NUMBER							DAIL	COUNTRI	CLASS	SUBCERS	YES	NO
	0	3	0	3	1	8	6	02/15/89	European	CO7F			xx
	0	4	1_	2	3	8	7	02/13/91	European	C07C	317/14	120	xx
	0	6	1	7	0	2	0	09/28/94	European	C07D	213/82	XXX	
11	0	6	6	1	2	5	8	07/05/95	European	C07D	65/19		ХX
U	. 0	6	6	ī	2	6	1	07/05/95	Енгорева	C07C	235/84	XXX	

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

"Di- and Tri-methoxystyryl Derivatives of Heterocyclic Nitrogen Compounds" by Bahner, C. T. et al. Arzneim-Forsch/Drug Res. (1981)31 (1), Nr. 3.

"Retinobenzoic acids. 3. Structure-Activity Relationships of Retinoidal Azobenzene-4-Carboxylic Acids and Stilbene-4- Carboxylic Acids" by H. Kagechika et al., Journal of Medicinal Chemistry, (1989), 32:1098-1108.

Eyrolles, L. et al. "Retinoid Antagonists: Molecular Design Based on the Ligand Superfamily Concept" Med. Chem. Res., (1992) 2:361-367.

**EXAMINER** 

DATE CONSIDERED

Sheet	7	_of	18

# FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

(Rev. 2-32)

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY.DOCKET NO. 17171-CIP-4 SERIAL NO.

APPLICANT

Elliot S. Klein

GROUP

FILING DATE

Unassigned

### U.S. PATENT DOCUMENTS

EXAMIL	NER LL				UMD	ודאב	NUM	BER		DATE	NAME	CLASS	8UBCLASS	PTLING DATE IF APPROPRIATE 02/07/95
121	$\overline{}$		<del> -</del>	-	12		5	1	6	07/09/96	Chandraratna	514		
<del>- 11  </del>	4		+	5	3	4	6	4	1	07/09/96	Song et al.	549	416	12/29/94
			5	5	3	3	5	3	4	08/06/96	Vuligonda et al.	549	421	12/29/94
			+-	5	4	6	9	9	6	09/17/96	Beard et al.	549	407	12/29/94
	-	_	5	5	9	,	8	5	8	01/07/97	Vuligonda et al.	546	322	02/27/96
	-	_	+-	5	2	3	4	5	7	06/04/96	Starrett, Jr. et al.	560	24	06/02/95
	+	-	5	5	5	9	2	4	8	09/24/96	Starrett, Jr. et al.	549	79	04/05/95
	+-		5	+-	÷	9	8	-	9	02/04/97	Chandraratna	514	314	06/02/95
, a 31	+-	_	5	5	9	9	9	6	17	02/04/97	Vuligonda et al.	560	48	12/29/94
	-	ļ_	5	5	9	╀	ť	+	6	02/11/97	Chandraratna	514	247	10/14/94
	<b>V</b>	-	5	6	0	2	╬	3	5	02/11/97	Chandraratna	514	252	06/02/95

### FOREIGN PATENT DOCUMENTS

-1K (2	-											CLASS	S SUBCLASS	TRANSLATION		
			DC	CU	ME	NT	NU	MB	ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
100	N		0	6	ī	7	0	2	lo	28/09/94	Europe	C07D	213/82	xxx	- 	
M	N.	-	-	6	1	200	1		6	12/10/94	Europe	A61K	31/19	xxx	ù -	
	-	├─	0	2	8	6	3	6	4	12/10/88	Europe	C07C	103/78	xxx		
	-	-	0	7	1	8	2	8	5	26/08/96	Europe	C07C	403/20	XXX		
	-	1	93	<del> </del>	f	1	17	5	5	24/06/93	International	A61K	31/07			
-+/	<del> </del>	-	95	<del>",</del>	6	4	6	13	6	09/02/95	Inernational	C07C	403/20	<u></u>	<u> </u>	

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

M	Liu, S. S. et al. "Systemic Pharmacokinetics of Acetylenic Retinoids in Rats", <u>Drug</u> Metabolism and Disposition, (1990) 18/6: 1071-1077.
Wp	CHEMICAL ABSTRACTS, vol. 122, no. 13,27 March 1995 abstract no. 131372m,
	CHEMICAL ABSTRACTS, vol. 117, no. 13, 28 September 1992 abstract no. 124091j,
$\sqrt{N}$	EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 212, no. 1, 1993, BERLIN,
	JOURNAL OF MEDICINAL CHEMISTRY, vol. 39, no. 16, 2 August 1996, pages 50333
	JOURNAL OF MEDICINAL CHEMISTRY, vol. 37, no. 10, 13 May 1994, pages 1508- 1517, LAURENCE EYROLLES. Gordon et. al.
EX	AMINER DATE CONSIDERED

(Rev. 2-32)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY.DOCKET NO. 17171-CIP-4

APPLICANT

FILING DATE

" Elliot S. Klein et al.

GROUP

Unassigned

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		<u> </u>		UMD	NI I	NUN	Œ		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
An		-	6	0	5	9	T <sub>1</sub>	5	02/25/97	Vuligond et al.	514	356	05/31/96
1117 -		5	-	1	-	5	9	-	04/01/97	Chandraratna	514	365	06/02/95
	_	5	6	-	6	17	<del> </del>	1/2	04/01/97	Teng et al.	546	158	05/16/95
	-	5	6	1	8	8	3	6	04/08/97	Chandraratna et al.	514	444	04/10/95
4:	L	5	6	<del> </del>	+	+-	+-	1	04/08/97	Beard et al.	544	224	12/29/97
_	<u> </u>	5	6	1	8	9	3	1-	04/08/97	Vuligonda et al.	546	342	12/29/94
	_	5	6	-	8	9	1	3	05/30/95	Shudo	514	352	03/23/93
	L	5	4	2	0	1	14	5	<del></del>	Chandratatna	514	461	06/29/93
	L	5	3	5	4	17	7	6	10/11/94		260	410	06/15/83
	١	4_	5	3	9	1	5	4	09/03/85	Krebs		<del></del>	11/25/92
11	Г	5	4	6	6	8	6	1	11/14/95	Dawson et al.	560	100	11/2/92
-		5	5	6	3	2	9	2	10/08/96	Sheh et al.	560	255	

## FOREIGN PATENT DOCUMENTS

								_	<u> </u>			SUBCLASS	TRANS	LATION
	Ì	DO	CU	ME	NT	NU	MBI	ER	DATE	COUNTRY	CLASS	SOBCEASS	YES	NO
tro		06	,	0	5	Ti	6	5	22/02/96	International	C07C	57/50	xxx	- 0.6 w/r
7.0		)3	,	0	3	17	1	3	04/03/93	International	A61K	31/07		
2 4			5	1	4	2	6	9	19/11/92	Europe	C07C	257/08		×
		<u> </u>	4	7	8	7	8	7	03/10/91	Europe	C07C	233/65	xxx	
<u>W</u> _		94	Ľ-	<del> </del>	1	17	17	7	07/07/94	International	C07D	231/54	<u> </u>	

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

()	LHEK DOCOMENTS (meinging	addition, and a second
T	BIOCHEMICAL AND BIOPH	TYSICAL RESEARCH COMMUNICATIONS, vol. 155
mf	CHEMICAL ABSTRACTS. vo	ol. 121, no.9, 1994.
<del>'-/</del> -	DATABASE WPI, Section CF Class B05, AN 94-128759 and	l Week 9416, Derwent Publications Ltd. London, GB; JP 6078266A, see English language abstract in
1.1	DERWENT.	161 - 16 A Avenue 1005 pages 3163
1		CHEMISTRY, vol. 38, no. 16, 4 August, 1995, pages 3163-
	Weiner, et al., "A phase I tria dysplasia-clinical efficacy", In	al of topically applied trans -retinoic acid in cervical westigational New Drugs, 4:241-244, 1986
EX	AMINER 14-4/	DATE CONSIDERED
	On Mill	2/9/12

Sheet_	9	of_	18

**FORM PTO-1449** (Rev. 2-32)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY DOCKET NO. 17171-CIP-4

APPLICANT

Elliot S. Klein et al.

FILLING DATE

GROUP

Unassigned

# U.S. PATENT DOCUMENTS

E	CÁMINER NITIAL		DOCUMENT NUMBER							DATE NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
4.			_	_		_		_	3	07/15/97	Vuligonda et al.	549	13	05/31/96
' 4 <i>1</i> 7	<u></u>		-	6	<del>-</del>	<u> </u>	-	0 8	•	05/08/90	Chandraratna	514	354	04/01/88
ПÄ	<i>f</i>		4	9	2	3	8		4	07/15/97	Johnson et al.	560	102	12/29/94
1			<del>-</del>	6	-	8	5	6	9	08/05/97	Vuligonda et al.	560	56	05/31/96
-			5	6	5	4	4	<del>-</del>	7	09/02/97	Chandraratna	546	152	06/06/95
_	<b> </b>	_	5	6	6	3	3	5	1	09/02/97	Teng et al.	546	323	11/22/95
	<del> </del>	-	5	6	6	3	3	6	7	09/02/97	Vuligonda et al.	549	4	05/31/96
_	<del></del>	<u> </u>	5	6	6	0	6	+-	1/2	05/10/		435	64	06/08/93
	<del></del>	├-	5	<u>B</u>	<del>  '</del>	۲	+	+-	1	11/05/		435	69.1	11/02/94
	-V	_	5	<u> </u>	17	1	6	+-	16	<del> </del>		435	240.2	06/21/91
_	_\ _	├-	5	5 6	17	8	14	18	13	11/26/ 9/30/9		548	188	09/03/95

# FOREIGN PATENT DOCUMENTS

	_				-	-					27.100	CIDOL VCC	TRANS	LATION
		DO	CUI	ME	NT I	NUI	MBI	ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		-	_	_	<u> </u>		_	Г					0	
		$\vdash$	$\dashv$			┢	-	-				6)		
	-	-	$\dashv$			$\vdash$		┢						
	├	$\vdash$	-	-				1						
<del></del>	-	-		H	┢	-	t	╁			181	<u> </u>	<u></u>	<u> </u>

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

U	IHLKI	MCOMENTO (mergania and	
		et al "A dose-response still	dy of 13-cis-retinoic acid in acne vulgaris", British
	2410	urnal of Dermatology, (1983) 10	dy of 13-cis-retinoic acid in acne vulgaris", British 8, 333-343.
MA	21/20	treat at al. "The Effect of Oral	13-cis-retinoic Acid on Retinal Redetachment after
Mr. A	18 50	rgical Repair in Eyes with Proli	13-cis-retinoic Acid on Retinal Redetachment after ferative Vitreoretinopathy", Ophthalmology,
	- 3	ol. 102, No. 3 (March 1995), pp.	412-418.
1 1	241	51. 102, 140. 5 (Maion 1999), PF	
	$\frac{D}{N}$	agnal et al. "Separation of Trai	resactivation and AP1 Antagonism Functions of
1 1	ROR	elinoic Acid Receptor a", The	resectivation and AP1 Antagonism Functions of Journal of Biological Chemistry, 270/2(1995): 923-927.
<del></del>		legretto, et al., "Transactivation	Properties of Retinoic Acid and Retinoid X and Yeast", The Journal of Biological Chemistry,
	WR	eceptors in Mammalian Cells an	id Yeast", The Journal of Biological Chemistry
- Y		ol. 268, No. 35 (Dec. 15, 1993),	pp. 26625-26633.
v	<b>1</b> 44.		
		1: -1/	DATE CONSIDERED
EX	AMINE		0/6/10

Sheet_	10	of_	18

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 2-32)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY DOCKET NO.

SERIAL NO.

17171-CIP-4 APPLICANT.

Elliot S. Klein et al.

FILLING DATE

GROUP Unassigned

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		r		JME	NT I	(UM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MAT		5	6	7	5	0	2	4	10/7/9	97 Teng et al.	549	405	11/22/95
M		5	6	<del>'</del>	5	0	3	3	10/7/9		560	100	06/06/95
-10		4	4	8	5	2	5	2	11/27/		560	8	
		-	Ė	3	3	2	-	-	05/23/	9 Maignan et al.	536	55,2	
		5	8	7	7	3	2		10/14/9		514	365	01/09/97
		5	6	7	-	-	2	-	10/14/9		514	374	10/29/96
	·	5	-	7	7	4	╅╼╼	-	10/14/9		544	238	06/06/95
		5	6	<u>'</u>	8	9	5	7	11/18/		546	280.1	12/29/95
- 1		5	6	-	6	1	6	2	12/09/		514	532	06/02/95
		5	-6	_	8	7	0	0	12/16/		546	282.1	05/31/96
_\\\	_	5 ·	7	1	17	f	9	4	02/10/		544	238	07/15/91

# FOREIGN PATENT DOCUMENTS

	1					$\neg$				SUBCLASS	TRANS	LATION
1 1	DOCUMENT NUMBER			R D	ATE	COUNTRY	CLASS	SUBCIASS	YES	NO		
	+	$\neg$	$\overline{}$	T	П	十		· · · · · · · · · · · · · · · · · · ·			514	rs <sup>t</sup>
	+	+	+	╁	H							
- F. B.L.		+	+	-								10 T
	+-			+	++					8	1	The same of the sa
100		. 6	200	tr N.	+1					**	A COMME	Terli

# OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

<u> </u>	12	Gruapner, et al., "6'-Substituted Naphthalene-2-Carboxylic Acid Analogs, A New Class of Retinoic Acid Receptor Subtype-Specific Ligands," Biochemical and Biophysical
My	M	Communications, Vol. 179, No. 3 (Sept. 30, 1991), pp. 1554-1561.
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Moore, et al., "Retinoic Acid and Interferon in Human Cancer: Mechanistic and Clinical Studies," Seminars in Hematology, 31/4, Suppl 5 (Oct. 1994), pp.31-37.
- 15	Į,	Chen et al, A transcriptional co-repressor that interacts with nuclear
V	1 21	Giguere et al; Letters to Nature, ARTICLES, Vol. 330, 12/17/1987; pp 622629; Indentification of a receptor for the morphogen retinoic acid
		DATE CONSIDERED

•		40			1					$\sim$			
											Sheet_	11_of_]:	
FORM PTO-	1449	τ	J.S.	DE	PAI	RTN	ÆI	T OF CO	MMERCE	ATTY.DOCK	et no.	SFRIA	L NOW OO
(Rev. 2-32)									K OFFICE	17171-CIP-	4		20
(200.2-0-)	10	NFC	DRM	MA?	TO	N D	IS	LICANT		APPLICANT Klein et al.			28 B
							•	necessary	)	FILLING DAT	E	GROUP	2
		080	<i>5</i> C1				-			-		Unass	signed
						-	τ	J.S. PAT	ENT DOCUM	MENTS			
EXAMINER INITIAL	,	oc	UMOE	NT I	NUM	BER	1	DATE	NA	ME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
tml -	5	6	1	8	8	3	9	4/8/97	Starrett,	Jr. et al.	514	513	05/02/96
M. Wh-	5	-	4	8	3	-	-	7/15/97	-	Jr. et al.	514	513	6/5/95
<del>-       -   -   -   -   -   -   -   -  </del>	Ĺ							·			<del> </del>		

### FOREIGN PATENT DOCUMENTS

-		DOCUMENT NUMBER									CTASS	SUBCLASS	TRANSLATION		
		DC	CU	ME	NT	NUI	MBI	ER	DATE	COUNTRY	CLASS	SOBCLASS	YES	NO	
<del></del>	_					Γ	Γ				9		0 1 Au 2005 Mars		
			H	Т						1			70	All N NO	
	$\vdash$				-	l-	┢								
	-						Τ	T					3		
	-		$\vdash$	Н	Г	1	十	✝					N		

Common poor agency (Including author Title Date, Pertinent Pages, Etc.)

O	THER DOCUMENTS (Including a	author, Title, Date, Pertinent Fages, Etc.)
./\_	Mangelesdorf, et al. The Retire Ed. Chapter 8, pp.319-349.	noid Receptors", Biology, Chemistry and Medicine, 2nd
MAR	Nagpal, et al., Cell Growth & I	Differentiation, Vol. 7 (Dec. 1996), pp.1783-1991.
	h 1	e, vol. 377 (Oct. 5, 1995), pp.397-404.
	Ishikawa, et al., "A Functional Human Chromosome 12", Mol	Retinoic Acid Receptor Encoded by the Gene on ecular Endocrinology, Vol. 4 No. 6 (1990), pp. 837-844.
	15/(1991), pp. 65-72.	tive Ophthalmology & Visual Science, Vol. 32 No.1 (Jan.
V	Sen, et al., Arch Ophthalmol,	Vol. 106 (Sep. 1988), pp. 1291-1294.
EX	AMINER M	DATE CONSIDERED
,0 v.Sa -	Ul LA 1910A	1/9/1/

	$\sim$			1 2
		Sheet_	12_of	
	ATTY.DOCKE	T NO.	SERIA	L NOS CO
	17171-CIP-	4	<u> </u>	
	APPLICANT Klein et al.			869
	FILLING DAT	E E	GROUE	•
	·		Unas	siqned
UN	MENTS			
N	ME	CLASS	SUBCLASS	FILING DATE IP APPROPRIATE
_		T		

### U.S. PATENT DOCU

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

(Rev. 2-32)

PATENT AND TRADEMARK OFFICE

EXAMINER INITIAL		r	000	UME	NT I	NUM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE II APPROPRIATE	
	一	٦				Γ		Γ				<u> </u>		
	$\dashv$		_			┪		Г				<u> </u>		
	ᅦ			_	Г		Γ							
						Γ	Γ							
				Г	Г	Γ	T	Γ						
		_		Т		T	Γ	Π						
				Γ	Г	Γ	Γ	Г				ļ		
			Т	Г	Г	Τ	Ī	Γ				<u> </u>		
					Г	Τ	Г	Π				<u> </u>	ļ	
			Г	Γ	Г	T	Τ		<b> </b>					
			一		Τ	T	Τ	Π					<u> </u>	

### FOREIGN PATENT DOCUMENTS

			_	_	_	_					05.100	SUBCLASS	TRANSLATION		
		DOCUMENT NUMBER						ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
	-			Π	Г	Π	Г	Г							
- 1	-	Н	Н	-	$\vdash$	T	T								
					-	H	┢	十					- (3)		
	-	$\vdash$	$\vdash$	┢	$\vdash$	$\vdash$	╁	$\vdash$							
	-	-	┝	┝	$\vdash$	┝	┝	十	-						

C	OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)
	Peck, et al., The New England Journal of Medicine, Vol. 300 No. 7 (Feb. 15, 1979), pp.329-333.
Mr	Araiz, et al., Investigative Ophthalmology & Visual Science, Vol. 34, No. 3 (March 1993), pp. 522-530).
1	Benbrook, et al., "A new retinoic acid receptor identified from a hepatocellular carcinoma". Letters to Nature, Vol. 333, No. 16 (June 1988), pp. 669-672.
	4 de Wet, et al., "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells' Molecular and Cellular Biology, Vol. 7 No. 2 (Feb. 1987). pp 725-757
-	AMatrisian, et al., Molecular and Cellular Biology, Vol. 6, No. 5 (May 1986).pp 299-30
A	Madsen, et al., The Journal of Investigative Dermatology, Vol. 99, No. 3 (Sept. 1992), pp. 299-305.
EX	AMINER DATE CONSIDERED

Sheet_	13	_of_	18
24100-			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32)

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY DOCKET NO. 17171-CIP-4

SERIAL NO.

APPLICANT Klein et al.

FILLING DATE

GROUP Unassigned

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		ī	)OC	UME	NT I	NUM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
						Г		Г					
· ·		Н	_	Г			Г						
					Γ						<u> </u>		
					Г	Π	Г					L	
					Γ	Γ							
-	-			Г		Π	Γ				<u> </u>		
	_		-	Г	Г	Π	Г	Г			<u> </u>		
* "						Г					·		
			Γ		Γ	Γ	Г						
					Γ	Г		-					- 7
				Γ		Γ	Γ						<u> </u>

### FOREIGN PATENT DOCUMENTS

	Г								COUNTRY CLASS SUBCLASS	TRANSLATION		
	DOCUMENT NUMBER						ER	DATE	COUNTRY CLASS SUBCLASS	YES	NO	
	 Γ			Γ								
-		Г	Γ			Γ	П					
			Γ		Γ	Г						
	Γ		Γ	, .		Π						
	T		Γ	Γ	Γ	Π	Γ					

## OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

	V		ol. 102, No. 3 (March 1995), pp. 412-418.
M	18	Mangelsdorf, et al., "Nuclear rec pathway", Nature, Vol. 345, 17 (	eptor that identifies a novel retinoic acid response May 1990), pp. 224-229.
1	12	Umesono, et al., "Retinoic acid a common responsive element", N	and thyroid hormone induce gene expression through a ature, Vol. 336, 17 (Nov. 1988), pp. 262-265.
	5	Ferrara, et al., "Highly Potent T Dihydroxyyitamin D,," The Jour	ranscriptional Activation by 16-ene Derivatives of 1,25- nal of Biological Chemistry, Vol. 269, No. 4 (Jan 28,
	13	Cheng, et al., Reaction," Bioche	mical Pharmacology, Vol. 22, pp. 3099-3108.
<b>U</b>		Agarwal, et al., Cancer Research	, 51, pp. 3982-3989.
EX	AMIN	JER , //	DATE CONSIDERED
/	ე		n 1911

next communication to applicant.

FORM PTO-1449U.S. DEPARTMENT OF COMMERCE									ATTY. DOCKET NO. SERIAL NO. 17171-CIP4					
		PAT	EN.	r ani	TI	CAS	EM	RK OFFIC	B					
TNPO	DMS	かての	ı n	TSCT	OST	RR	ST	atement			j			
INPO	r.c.			APPL						109	1685,	828		
(USE	SE	VERA	L	SHEE'	rs :	[F	NEC	ESSARY)			1000/	000		
SYNTHES COMPOUR AND/OR	NDS	HAV	IN	G NE	GAT	IVE	H	ORMONE	APPLICANT Elliott S. Klein, et a	al.				
ALLD) OIL			***	<b></b>				-	FILING DATE	GRO Not	OUP			
			_					, ,	<del></del>					
									U.S. PATENT DOCUMENTS			•	•	
EXAMINER INITIAL			000	UMENT	NUM	BER		DATE	NAME	CLASS			FILING DATE (IF APPROPRIATE)	
			T					Anna de materia como y	which the day of the sound of the				to traces	
								**	of and					
_	L			:	$oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$		ļ.		And the second s			. ***		
	1	$\sqcup$	4	4	L	L	L		· · · · · · · · · · · · · · · · · · ·					
<del></del>	-	$\sqcup$	4		┢	L	L					<del> </del>		
	╀	$\vdash$	+	+	+		┝			<del>-   - : -</del>		<del> </del>		
	ŀ	1 1	<u> </u>			١ 	١ —	[		<u></u> .	l 	1		
	_		_						FOREIGN PATENT DOCUMENTS	1 00 400	SUBCLASS	1 7	RANSLATION	
EXAMINER INITIAL	l	DOCUMENT NUMBER DATE							COUNTRY	CLASS	SUBCLASS			
		1.			_	_	т —					YES	NO	
	1	+- $r$	_							1			2	
		$\prod$	4		-	-						75		
									<u> </u>					
EXAMINER			-			OT OT	HER	DOCUMENTS/(I	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP,	AGES, ETC.)				
EXAMINER INITIAL	9	9						$\Gamma$	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP					
INITIAL		Klein	et al	, The Jo	umal	of Blo	locic	$\Gamma$					eutral	
EXAMINER INITIAL		Klein, Antag	ZIIO	isano in	verse.	of Blo Agon	logica ists.	$\Gamma$	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP				eutral	
INITIAL	7	Klein, Antag Jacks Smith	on,e	tal, Mo L, Mol E	LEndo Indoc	of Bio Agon ocrino	logica ists. ol.11:	alChemistyr.Sep 593(1997) ~ 7 (1997) ~	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP.				eutral	
INITIAL	7	Klein, Antag Jacks Smith	on,e ,et s	isano in ital, Mo il, Mol. E a, etal., .	L Endo Endoca L Med	of Bio Agon ocrino finol 1	ologica ists. ol. 11: 11:65 m. 38	alChemisty; Sep 593(1997) 7 (1997) : 3163-3173(199	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP.				eutral	
INITIAL	77 65	Klein, Antag Jacks Smith	on,e ,et s	isano in ital, Mo il, Mol. E a, etal., .	L Endo Endoca L Med	of Bio Agon ocrino finol 1	ologica ists. ol. 11: 11:65 m. 38	alChemistyr.Sep 593(1997) ~ 7 (1997) ~	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP.				eutral	
INITIAL	77 65	Klein, Antag Jacks Smith	on,e ,et s	isano in ital, Mo il, Mol. E a, etal., .	L Endo Endoca L Med	of Bio Agon ocrino finol 1	ologica ists. ol. 11: 11:65 m. 38	alChemisty; Sep 593(1997) 7 (1997) : 3163-3173(199	NCLUDINGAUTHOR, TITLE, DATE, PERTINENTP.				eutral	
EXAMINER (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Jacks Smith Yosh	on, et a	tal, Mo tl., Mol. E a, et al., tal. Med	L Ende	of Bio Agon octino finol :	blogic ists. bl.11: 11:65 rm. 38	alChemistr Sep 593(1997) 7 (1997) 3163-3173(199 20-225(1991)	NCLUDINGAUTHOR, TITLE, DATE, PERTINENT P.  reptber, 1996, pp. 22692-22696; identification and Fur  5).	nctional Separat	Sonof Retinoic/	Acid Receptor N		
EXAMINER (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Klein, Antag Jacks Smith Yosh Kane	on, et a	tal, Mo tl., Mol. E a, et al., tal. Med	L Ende	of Bio Agon octino finol :	blogic ists. bl.11: 11:65 rm. 38	alChemistr Sep 593(1997) 7 (1997) 3163-3173(199 20-225(1991)	NCLUDINGAUTHOR, TITLE, DATE, PERTINENT P.  Legibor, 1996, pp. 22692-22696; identification and Fur  DATE CONSIDERED  CITATIONIS IN CONFORMANCE WITH MPPP 609	nctional Separat	Sonof Retinoic/	Acid Receptor N		

College British the professional transfer of the college of the co The Alice of the Committee of the Commit 

COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY) SYNTHESIS AND USE OF RETINOID COMPOUNDS HAVING NEGATIVE HORMONE AND/OR ANTAGONIST ACTIVITIES  FILING DATE  09/042,943  09/042,943  APPLICANT Elliott S. Klein, et al.	,	
(USE SEVERAL SHEETS IF NECESSARY)  SYNTHESIS AND USE OF RETINOID COMPOUNDS HAVING NEGATIVE HORMONE AND/OR ANTAGONIST ACTIVITIES  APPLICANT Elliott S. Klein, et al.		
SYNTHESIS AND USE OF RETINOID COMPOUNDS HAVING NEGATIVE HORMONE AND/OR ANTAGONIST ACTIVITIES  APPLICANT Elliott S. Klein, et al.	,	
COMPOUNDS HAVING NEGATIVE HORMONE Elliott S. Klein, et al. AND/OR ANTAGONIST ACTIVITIES		
PTT THE DAME   COOTE		
03/17/98 GROUP Not Yet Assigned		
••		
U.S. PATENT DOCUMENTS		
EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DA (IF APPRO		
FOREIGN PATENT DOCUMENTS		
EXAMINER DOCUMENTNUMBER DATE COUNTRY CLASS SUBCLASS	TRANSLATION	
YES	NO	
	-S-160	
	Salah II	
EXAMINER OTHER DOCUMENTS (INCLUDINGAUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
April, et al. Proc. Nart. Acad. Sci. USA 89: 7129-7133, August, 1992 Cell Biology		
Eckhardt et al. ToxicologyLetters 70: 299-308 (1994)		
Keidel, et al., Molecularend Cellular Biology 14: 287/298 (1994)		
Nagpal, et al. (1993) EMBO J. 12-2349-2360		
Allan et al: The Journal of Riological Chemistry; Vol. 267, No. 27; 9/25, pp. 19513-19520, Hormone and Antihormone Induced Distinct Conformational	1992; Changes	
which are Central to Steroid Receptor Activation	1 2	
EXAMINER DATE CONSIDERED SIGN	<u> </u>	
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NO CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	rin	